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| (21) International Application Number: <b>PCT/AU99/00806</b><br>(22) International Filing Date: <b>21 September 1999 (21.09.99)</b><br>(30) Priority Data:<br><b>PP 6052 21 September 1998 (21.09.98) AU</b><br>(71) Applicant (for all designated States except US): <b>WESTMEAD INSTITUTE OF HEALTH RESEARCH [AU/AU]; Cnr Darcy &amp; Hawkesbury Roads, Westmead, NSW 2145 (AU).</b><br>(72) Inventors; and<br>(73) Inventors/Applicants (for US only): <b>RATNAMOHAN, Vignerswary, Mala [AU/AU]; 5 Page Court, Carlingford, NSW 2118 (AU). CUNNINGHAM, Anthony, Lawrence [AU/AU]; 22 Sutherland Road, Cheltenham, NSW 2119 (AU).</b><br>(74) Agent: <b>F.B. RICE &amp; CO.; 139 Rathdowne Street, Carlton, VIC 3053 (AU).</b>   | (81) Designated States: <b>AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</b><br><br><b>Published</b><br><i>With international search report.</i> |   |
| (54) Title: <b>DETECTION OF HUMAN HERPES VIRUS 6 (HHV6)</b><br>(57) Abstract<br><p>The present invention relates to methods for detecting viral pathogens, particularly human herpes virus 6 (HHV6), preferably using polymerase chain reaction (PCR) techniques. The present invention also relates to primer sequences useful in these methods. In a first aspect, the present invention consists in an isolated nucleic acid molecule complementary to and specific for human herpes virus 6 (HHV6) DNA including a sequence selected from the group consisting of 5'CTTCTGTTTAAAGTCGTACAGGAGT (SEQ ID NO:1), 5'ACAAATTGCCATTTTCGGGAAGTAC (SEQ ID NO:2), and functionally equivalent sequences. A method for detecting HHV6 in a sample suspected of containing HHV6, the method comprising the steps of: (a) optionally amplifying viral DNA present in the sample by polymerase chain reaction techniques using outer primers complementary to the viral DNA; (b) adding to the sample, or to the sample having undergone optional amplification step (a), a pair of inner oligonucleotide primers complementary to and specific for HHV6 DNA, wherein the inner primers comprise the sequences 5'AAGCTTGACAAATGCCAAAAACAG and 5'CTCGAGTATGCCGAGACCCCTAATC, or functionally equivalent sequences; (c) carrying out polymerase chain reaction techniques on the sample so as to amplify the HHV6 DNA spanned by the inner primers present in the sample; and (d) detecting the amplified HHV6 DNA.</p> |   |   |